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|----|---------|---|---------------------------------|------------------|
| 29 | 14 | (hpf or high adj pass adj filter) and ((daa or data adj access adj arrangement or \$dsl adj interface) and coupler) | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:17 |
| 30 | 1 | 6418221.pn. | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:22 |
| 31 | 2 | 6418221.URPN. | USPAT | 2004/01/25 14:17 |
| 32 | 8 | ("4768188" "4903295" "4991051" "5452345" "5627501" "5757803" "5841841" "6067316").PN. | USPAT | 2004/01/25 14:18 |
| 33 | 297747 | overlapp\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:22 |
| 34 | 1304 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and overlapp\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:22 |
| 35 | 2 | overlapp\$3 adj2 cut adj off adj2 frequency | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:24 |
| 36 | 38 | overlapp\$3 adj2 cut adj off | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:24 |
| 37 | 1 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and overlapp\$3) and (overlapp\$3 adj2 cut adj off) | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:25 |
| 38 | 2728950 | different\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:25 |
| 39 | 3584 | (isolat\$3 adj transformer) and different\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:26 |
| 40 | 120 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and ((isolat\$3 adj transformer) and different\$3) | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:47 |
| 41 | 682 | 379/377.ccls. | USPAT; EPO; JPO | 2004/01/25 14:47 |
| 42 | 16 | (isolat\$3 adj transformer) and 379/377.ccls. | USPAT; EPO; JPO | 2004/01/25 15:29 |
| 43 | 43 | slic and (isolat\$3 with transformer) | USPAT; EPO; JPO | 2004/01/25 15:35 |
| 44 | 12 | ("5369666" "5555293" "5574404" "5655010" "5774541" "5875235" "6081586" "6169801" "6351530" "6359973" "6407691" "6445330" "2002/0126806" "2002/0186824").PN. | USPAT | 2004/01/25 15:30 |
| 45 | 317 | 379/399.01,423.02.ccls. | USPAT; EPO; JPO | 2004/01/25 15:35 |
| 46 | 133 | 379/399.01,423.02.ccls. and transformer | USPAT; EPO; JPO | 2004/01/25 15:35 |
| 47 | 15 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and (379/399.01,423.02.ccls. and transformer) | USPAT; EPO; JPO | 2004/01/25 15:44 |
| 48 | 2 | 6295343.URPN. | USPAT | 2004/01/25 15:40 |
| 49 | 95938 | tip and ring | USPAT; EPO; JPO | 2004/01/25 15:44 |
| 50 | 116 | (afe or analog adj front adj end) and (tip and ring) | USPAT; EPO; JPO | 2004/01/25 15:45 |
| 52 | 1 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and (((afe or analog adj front adj end) and (tip and ring)) and codec) | USPAT; EPO; JPO | 2004/01/25 15:46 |
| 51 | 60 | ((afe or analog adj front adj end) and (tip and ring)) and codec | USPAT; EPO; JPO | 2004/01/25 15:46 |
| 53 | 27 | ((afe or analog adj front adj end) and (tip and ring)) and codec) and transformer | USPAT; EPO; JPO | 2004/01/25 15:51 |
| 54 | 28 | phoneline with network | USPAT; EPO; JPO | 2004/01/25 15:54 |
| 55 | 6 | hpna and transformer | USPAT; EPO; JPO | 2004/01/25 16:04 |

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|----|---------|---|---------------------------------|------------------|
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| 30 | 1 | 6418221.pn. | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:22 |
| 31 | 2 | 6418221.URPN. | USPAT | 2004/01/25 14:17 |
| 32 | 8 | ("4768188" "4903295" "4991051" "5452345" "5627501" "5757803" "5841841" "6067316").PN. | USPAT | 2004/01/25 14:18 |
| 33 | 297747 | overlapp\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:22 |
| 34 | 1304 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and overlapp\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:22 |
| 35 | 2 | overlapp\$3 adj2 cut adj off adj2 frequency | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:24 |
| 36 | 38 | overlapp\$3 adj2 cut adj off | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:24 |
| 37 | 1 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and overlapp\$3) and (overlapp\$3 adj2 cut adj off) | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:25 |
| 38 | 2728950 | different\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:25 |
| 39 | 3584 | (isolat\$3 adj transformer) and different\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:26 |
| 40 | 120 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and ((isolat\$3 adj transformer) and different\$3) | USPAT; US-PGPUB; EPO; JPO | 2004/01/25 14:47 |
| 41 | 682 | 379/377.ccls. | USPAT; EPO; JPO | 2004/01/25 14:47 |
| 42 | 16 | (isolat\$3 adj transformer) and 379/377.ccls. | USPAT; EPO; JPO | 2004/01/25 15:29 |
| 43 | 43 | slic and (isolat\$3 with transformer) | USPAT; EPO; JPO | 2004/01/25 15:35 |
| 44 | 12 | ("5369666" "5555293" "5574404" "5655010" "5774541" "5875235" "6081586" "6169801" "6351530" "6359973" "6407691" "6445330" "2002/0126806" "2002/0186824").PN. | USPAT | 2004/01/25 15:30 |
| 45 | 317 | 379/399.01,423.02.ccls. | USPAT; EPO; JPO | 2004/01/25 15:35 |
| 46 | 133 | 379/399.01,423.02.ccls. and transformer | USPAT; EPO; JPO | 2004/01/25 15:35 |
| 47 | 15 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and (379/399.01,423.02.ccls. and transformer) | USPAT; EPO; JPO | 2004/01/25 15:44 |
| 48 | 2 | 6295343.URPN. | USPAT | 2004/01/25 15:40 |
| 49 | 95938 | tip and ring | USPAT; EPO; JPO | 2004/01/25 15:44 |
| 50 | 116 | (afe or analog adj front adj end) and (tip and ring) | USPAT; EPO; JPO | 2004/01/25 15:45 |
| 52 | 1 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and (((afe or analog adj front adj end) and (tip and ring)) and codec) | USPAT; EPO; JPO | 2004/01/25 15:46 |
| 51 | 60 | ((afe or analog adj front adj end) and (tip and ring)) and codec | USPAT; EPO; JPO | 2004/01/25 15:46 |
| 53 | 27 | ((afe or analog adj front adj end) and (tip and ring)) and codec) and transformer | USPAT; EPO; JPO | 2004/01/25 15:51 |
| 54 | 28 | phoneline with network | USPAT; EPO; JPO | 2004/01/25 15:54 |
| 55 | 6 | hpna and transformer | USPAT; EPO; JPO | 2004/01/25 16:04 |

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|----|-------|---|--------------------|------------------|
| 56 | 2 | phoneline adj network\$3 adj transceiver | USPAT; EPO; JPO | 2004/01/25 16:04 |
| 57 | 20622 | network\$3 adj interface | USPAT; EPO; JPO | 2004/01/25 16:04 |
| 58 | 994 | (network\$3 adj interface) and transformer | USPAT; EPO; JPO | 2004/01/25 16:05 |
| 59 | 36 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and | USPAT; EPO; JPO | 2004/01/25 16:08 |
| 60 | 8268 | ((network\$3 adj interface) and transformer) | USPAT; EPO; JPO | 2004/01/25 16:09 |
| 61 | 449 | home with network\$3 | USPAT; EPO; JPO | 2004/01/25 16:09 |
| 63 | 3 | ((home with network\$3) and transformer) | USPAT; EPO; JPO | 2004/01/25 16:09 |
| 62 | 53 | and codec and ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) | USPAT; EPO; JPO | 2004/01/25 16:13 |
| 64 | 24121 | ((home with network\$3) and transformer) and codec | USPAT; EPO; JPO | 2004/01/25 16:14 |
| 65 | 50655 | (\$dsl or network\$3) adj2 interface | USPAT; EPO; JPO | 2004/01/25 16:14 |
| 66 | 188 | (((\$dsl or network\$3) adj2 interface) and transformer or inductor | USPAT; EPO; JPO | 2004/01/25 16:14 |
| 67 | 139 | (((\$dsl or network\$3) adj2 interface) and transformer and inductor | USPAT; EPO; JPO | 2004/01/25 16:15 |
| 68 | 16 | and filter ((((\$dsl or network\$3) adj2 interface) and transformer and inductor) and | USPAT; EPO; JPO | 2004/01/25 17:12 |
| 69 | 2582 | filter) and "10 MHz" | USPAT; EPO; JPO | 2004/01/25 17:12 |
| 70 | 291 | line adj card | USPAT; EPO; JPO | 2004/01/25 17:30 |
| 71 | 19 | ((line adj card) and transformer | USPAT; EPO; JPO | 2004/01/25 17:29 |
| 72 | 1116 |) and afe | USPAT; EPO; JPO | 2004/01/25 17:29 |
| 73 | 136 | slic or subscriber adj line adj interface adj circuit | USPAT; EPO; JPO | 2004/01/25 17:29 |
| 74 | 53 | ((line adj card) and (slic or subscriber adj line adj interface adj circuit) | USPAT; EPO; JPO | 2004/01/25 17:31 |
| 75 | 2 | and transformer | USPAT; EPO; JPO | 2004/01/25 17:34 |
| 76 | 1 | (((line adj card) and (slic or subscriber adj line adj interface adj circuit)) and transformer) and afe and codec | USPAT; EPO; JPO | 2004/01/25 17:34 |
| | | 6144659.pn. | | |

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|----|-------|---|--------------------|------------------|
| 56 | 2 | phoneline adj network\$3 adj transceiver | USPAT; EPO; JPO | 2004/01/25 16:04 |
| 57 | 20622 | network\$3 adj interface | USPAT; EPO; JPO | 2004/01/25 16:04 |
| 58 | 994 | (network\$3 adj interface) and transformer | USPAT; EPO; JPO | 2004/01/25 16:05 |
| 59 | 36 | ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) and | USPAT; EPO; JPO | 2004/01/25 16:08 |
| 60 | 8268 | ((network\$3 adj interface) and transformer) | USPAT; EPO; JPO | 2004/01/25 16:09 |
| 61 | 449 | home with network\$3 | USPAT; EPO; JPO | 2004/01/25 16:09 |
| 63 | 3 | ((home with network\$3) and transformer) | USPAT; EPO; JPO | 2004/01/25 16:09 |
| 62 | 53 | and codec) and ((lpf or low adj pass adj filter) and (hpf or high adj pass adj filter)) | USPAT; EPO; JPO | 2004/01/25 16:13 |
| 64 | 24121 | ((home with network\$3) and transformer) and codec | USPAT; EPO; JPO | 2004/01/25 16:14 |
| 65 | 50655 | (\$dsl or network\$3) adj2 interface | USPAT; EPO; JPO | 2004/01/25 16:14 |
| 66 | 188 | (((\$dsl or network\$3) adj2 interface) and transformer or inductor | USPAT; EPO; JPO | 2004/01/25 16:14 |
| 67 | 139 | (((\$dsl or network\$3) adj2 interface) and transformer and inductor | USPAT; EPO; JPO | 2004/01/25 16:15 |
| 68 | 16 | and filter (((\$dsl or network\$3) adj2 interface) and transformer and inductor) and filter) and "10 MHz" | USPAT; EPO; JPO | 2004/01/25 16:15 |